

```

1 msdsgsqlgs mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcant
61 nspkwkqplt vivtpvsklh frvwshqtlk sdvllgtaal diyetlksnn mkleevvvtl
121 qlggdkepte tigdlscld glqlesevt ngettcseas sqnddgsrsk detrvstngs
181 ddpedagage nrrvsgnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdsd
241 gsstgslppt ntntntsega tsgliiplti sggsgprpln pvtqaplpqg weqrvdqhgr
301 vyyvdhvekr ttwdrepepl pgwerrvdm griyyvdhft rtttwqrptl esvrnyeqwq
361 lqrsqqlgam qqfnqrfiyg nqdlfatsqs kefdplgplp pgwekrtdsn grvyfvnhnt
421 ritqwedprs qqqlnekplp egwemrftvd gipyfvdhnr rtttyidprt gksaldngpq
481 iayvrdfkak vqyfrfwcqq lampqhikit vtrktlfeds fqqimsfspq dlrrrlwvif
541 pgeegldygg varewfflls hevlnpmycl feyagkdnyc lqinpasyin pdhlkyfrfi
601 grfiamalfh gkfidtghsl pfykrilnkp vglkdlesid pefynsliw kennieecd
661 emyfsvdkei lgeikshdlk pnggnilvte enkeeyirmv aewrlsrgve eqtqaffegf
721 neilpqqylq yfdakelevl lcgmqeidln dwqrhaiy rh yartskqimw fwqfvkeidn
781 ekrmrllqfv tgtcrpvgg fadlmgsngp qkfciekvgk enwlpshc fnrldlppyk
841 syeqlkekll faieetegfg qe (SEQ ID NO:1)

```

FIG. 1A

```

1 mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcant nspkwkqplt
61 vivtptsklc frvwshqtlk sdvllgtagl diyetlksnn mkleevvmtl qlvgdkepte
121 tmgdlsvcld glqveaevvt ngetscsest tqnddgcrtr ddrvstngs edpevaasge
181 nkrangnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdsd gsstgslppt
241 ntnvntstse gatsgliipl tisggsgprp lntvsqaplp pgweqrvdqh grvyvdhve
301 krttwdrepep lppgwerrvd nmgriyyvdh ftrtttwqrp tlesvrnyeq wqlrsqqlgq
361 amqqfnqrfi ygnqdlfats qnkefdplgp lppgwekrtd sngryfvnh ntritqwedp
421 rsqqqlnekp lpegwemrft vdgipyfvdh nrrattyidp rtgksaldng pqiayvrdfk
481 akvqyfrfwc qqlampqhik itvtrktlfe dsfqqimsfs pqdlrrrlwv ifpgeegldy
541 ggwarewffl lshvlnpmy clfeyagkdn yclqinpasy inpdhlkyfr figrfiamal
601 fhgkfidtgh slpfykriln kpvgldles idpefynsli wvkennieec glemyfsvd
661 eilgeikshd lkpnggnilv teenkeeyir mvaewrlsrg veeqtqaffe gfneilpqy
721 lqyfdakele vllcgmqeid lndwqrhaiy rhytrtskqi mfwfwqfvkei dnekrmlq
781 fvtgtcrpvp ggfadlmgsn gpqkfciekv gkenwlpsh tcfnrldlpp yksyeqlkek
841 llfaieeteg fgqe (SEQ ID NO:2)

```

FIG. 1B

```

1 matcavevfg lledeensri vrvrviagig lakkdilgas dpyvrvtlyd pmngvltsvq
61 tktikkslnp kwneeilfrv hpqqrllife vfdenrltrd dflgqvdpvl yplptenprl
121 erpytfkdfv lhprshksrv kgylrlkmtly lpktsgsedd naeqaeelep gwvvldqpda
181 achlqqqqep splppgweer qdilgrtyyv nhesrrtqwk rptpqdnlt d aengniqlqa
241 graffttrqi seetesvdnr essenweiir edeatmysnq afpsppssn ldvpthlaee
301 lnarltifgn savsqpasss nhssrrgslq aytfeeqptl pvllptssgl ppgweekqde
361 rgrsyvvdhn srtttwtkpt vqatvetsql tssqssagp sqastdsdgq qvtqpseieq
421 gflpkgewevr hapngrpffi dhntktttwe dprlkipahl rgktsldtsn dlglppgwe
481 erthtdgrif yinhnikrtq wedprlenva itgpavpysr dykrkyeffr rklkkqndip
541 nkfemklrra tvledsyrrl mgvkradflk arlwiefdge kgldyggvar ewffliskem
601 fnpyyglfey satdnytlqi npnsglcned hlsyfkfigr vagmavyhgk lldgffirpf
661 ykmmllhkpit lhdmesvdse yynslrwile ndpteldlrf iideelfggt hqhelknngs
721 eivvtknknk eyiylviqr fvnriqkqma afkegffeli pqdlikifde nelellmcgl
781 gdvdvndwre htkykngysa nhqviqfwk avlmmmdsekr irllqfvtgt srvpmmgfae
841 lygsngpqsf tveqwtpekl lprahtcfnr ldlppyesfe elwdklqmai entqgfdgvd

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(SEQ ID NO:3)

FIG. 2A

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1 msgiltsvqt ktikkslnpk wneeilfrvl pqrhrilfev fdenrltrdd flgqvdpvly
61 plptenprme rpytfkdfvl hprshksrvk gylrlkmtyl pkngsedena dqaeelepgw
121 vvldqpdaat hlphppepsp lppgweerqd vlgrtyyvnv esrrtqwkrp spdddltded
181 nddmqlqaqr afttrrqise dvdgpdnres penweivred enteysggav qsppsghidv
241 qthlaeefnt rlavcgnpat sqpvtssnhs srggslqtc feeqptlpvl lptssglppg
301 weekqddrgr syvvdhnskt ttwskptmqd dprskipahl rgktdsndlg plppgweert
361 htdgrvffin hnikktqwed prlqnvaigt pavpysrdyk rkyeffrrkl kkqtdipnkf
421 emklrranil edsyrrimgv kradllkarl wiefdgekg dyggvarewf fliskemfnp
481 yyglfeysat dnytlqinpn sglcnedhls yfkfigrvag mavvyhgklld gffirpfykm
541 mlqklitlhd mesvdseyys slrwilendp teldlrfiid eelfgqthqh elktggseiv
601 vtnknkkeyi ylviqwrfrv riqkqmaafk egfflipqd likifdenel ellmcglgdv
661 dvndwrehtk ykngysmnhq vihwfwkavw mmdsekrirl lqfvtgtsrv pmngfaelyg
721 sngpqsf tve qwgtpdklpr ahtcfnrldl ppyesfdelw dklqmaient qgfdgvd

```

(SEQ ID NO:4)

FIG. 2B

```

1 magnvkkssg aggggtsgsgs gsggliglmk dafqphhhhh hhlsphppgt vdkkmvekcw
61 klmdkvvrhc qnpklalkns ppyildllpd tyqhlrtls ryegkmetlg eneyfrvfme
121 nlmkktkqti slfkegkerm yeensqrrn ltklslifsh mlaelkgifp sglfggdtfr
181 itkadaaefw rkafgektiv pwksfrqalh evhpissgle amalkstidl tcndyisvfe
241 fdiftrlfqp wssllrnwns lavthpgyma fltydevkar lqkfi hkpgs yifrlsctrl
301 gqwaigyvta dgnilqtiph nkplfqalid gfregfylfp dgrnqnpdlt glceptpqdh
361 ikvtgeqyel ycemgstfql ckicaendkd vkiepcghlm ctscltswqe segggcpfcr
421 ceikgtepiv vdpfdprgsg sllrqgaega pspnyddddd eraddtlfmm kelagakver
481 ppspfsmapp aslppvpprl dllpqrvcvp ssasalgtas kaasgslhkd kplpvpptlr
541 dlppppppdr pysvgaesrp qrrplpctpg dcpsrdklpp vpssrlgds w lprpikvpv
601 sapsssdpw greltnrhl pfsllpsqme rpdvprlgst fsldtsmsmn ssplvgpecd
661 hpkipsssa naiyslaarp lpvpklppge qcegeedtey mtpssrplrp ldtsssrac
721 dcdqgidsc yeamyniqsq apsitiesstf gegnlaaaha ntgpeesene ddgydvkppp
781 vpavlarrtl sdisnasssf gwlsldgdpt tnvtegsqvp erppkpfpr inerkagsc
841 qggsgpaasa atasqlsse ienlmsggys yqdiqkalvi aqnniemakn ilrefvsiss
901 pahvat (SEQ ID NO:5)

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FIG. 3A

```

1 magnvkkssg aggggsgsgs aggliglmkd afqphhhhhh lsphppctvd kkmvekcwkl
61 mdkvvrlcqn pnvalknspp yildllpdy qhlrtvlsry egkmetlgen eyfrvfmenl
121 mkktkqtisl fkegkermeye ensqrrnlt kslifshml aelkgifpsg lfqgdtfrit
181 kadaaefwrk afgektivpw ksfrqalhev hpissgleam alkstidltc ndyisvfehd
241 iftrlfqpws sllrnwnsla vthpgymafl tydevkarlq kfihkpgsyi frlscrtlqg
301 waigyvtadg nilqtiphnk plfqalidgf regfylfpdg rnqnpdltgl ceptpqdhik
361 vtqicaendk dvkiepcghl mctscitswq esegggcpfc rceikgtepi vdpfdprgs
421 gsllrqgaeg apspnyddddd deraddslfm mkelagakve rpsspfsmapp gaslppvppr
481 ldllqgrapv pastsvlgta skaasgslhk dkplpipptl rdlppppppd rpysvgaetr
541 pqrplpctp gdcpsrdklp pvpssrpgds wlsrtipkvp vatpnpgdpw ngreltnrhl
601 lpfsllpsqme pradvprlgs tfsldtsmtm nsspvgapes ehpkipsssa anaiyslaar
661 plpmpklppg eggeseedte ymtptsrpvg vqkpepkrl eatqssracd cdqgidscy
721 eamytisqsa lsvaensasg egnlatahts tgpeesened dgydvkppv pavlartrls
781 disnasssf wlsldgdptn fnegsqvper ppkpfprin serkassyqg gggatanpva
841 tapspqlsse ierlmsggys yqdiqkalvi ahnniemakn ilrefvsiss pahvat
(SEQ ID NO:6)

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FIG. 3B

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1 mansmngnrnp ggrgggnprkg rilgiidaiq davgppkqaa adrtrvektw klmdkvvrle
61 qnpklqlkns ppyildilpd tyqhlrlils kyddnqklaq lsenevfkiy idslmkkskr
121 airlfkegke rmyeeqsqdr rnltklslif shmlaeikai fpngqfqqdn fritkadaae
181 fwrkffgdk ivpwkvfrqc lhevhiqiss leamalksti dltcndyisv fefdiftrlf
241 qpwwgsilrnw nflavthpgy maflydevk arlqkystkp gsyifrlsct rlgqwaigyv
301 tgdgnilqti phnkplfqal idgsregfyl ypdgrsynpd ltglceptph dhikvtgeqy
361 elycemgstf qlckicaend kdvkiepcgh lmctscldaw gesdgggcpf crceikgtep
421 iivdpfdprd egsrcssiid pfgmpmldld ddddreesslm mnrlanvrkc tdrqnsptvs
481 pgssplaqrk kpqpdplqip hlslppvppr ldliqkgivr spcgsptgsp ksspcmvrkq
541 dkplpapppp lrdppppppe rpppippdnr lsrihhves vpsrdppmpl eawcprdvfg
601 tnqlvgcrl gegspkpgit assnvgrhs rvgsdpvlmr khrrhdlple gakvfnghl
661 gseeydvppr lspvvvtll lpsikctgpl anslsektvd pveeddeyk ipsshpvsln
721 sqpshchnvk ppvrscdng cmlngthgps sekksnipdl siylkgdvfd sasdpvplpp
781 arpptrdnkp hgsslnrtps dydllipplg edafdalpps lpppppparh sliehspppg
841 sssrpssgqd lfillpsdpfv dlasgqvplp parrlpgevn ktnrtsqdyd qlpscdsgsq
901 aparppkprp rrtapeihhr kphgpeaale nvdakiaklm gegyafeevk raleiaqnnv
961 evarsilref afpppvspri nl (SEQ ID NO:7)

```

FIG. 4A

```

1 mctscldaw gesdgggcpfc rceikgtepi ivdpfdprde gsrccssiid fsipmldldd
61 dddreesslm nrlasvrkct drqnsptvsp gssplaqrk kpqpdplqip hlslppvppr
121 dliqkgivrs pcgsptgspk sspcmvrkqd kplpapppppl rdppppperp ppippdnrls
181 rhfhhgesvp srdqpmplea wprdafgt nqvmgcrilgd gspkpgvtan sslngrhsrm
241 gseqvlmrkh rrhdlpsega kvfnghlat eeydvpprls ppppvttllp sikctgplan
301 clsekttrdv eddddeykipp sshpvslnsq pshchnvkap vrscdnghci lngthgapse
361 mkksnipdlg iylkgedafd alppslpppp pparhslied skppgsssrp ssgqdlfillp
421 sdppfdptsg qvplpparra agdsgkanra sqdydqlpss sdgsqapar pkrprrtap
481 eihrkphgp eaalenvdak iaklmgegya feevkralei aqnnevars ilrefafppp
541 vsprlnl (SEQ ID NO:8)

```

FIG. 4B

1 malavapwgr qweearalgr avrmlqrlee qcvdprlsvs ppslrdllpr taqllrevah  
61 srraaggggpp gpgggsgdfl liylanleak srqvaallpp rgrrsandel fragsrlrrq  
121 laklaiifsh mhaelhalfp ggkycghmyq ltkapahtfw rescgarcvl pwaefesllg  
181 tchpvepgct alalrttidl tcsghvsife fdvfttrlfqp wptllknwql lavthpgyma  
241 fltydevqer lqacrdkpgs yifrpctrl ggwaigyvss dgsilqtipa nkplsqvll  
301 gqkdgyfilyp dgkthnpdlt elgqaepqqr ihvseeqlql ywamdstfel ckicaesnk  
361 vkiepcghll cscclaawqh sdsqtcpcfc ceikgweavs iyqfyggata edsgnssdqe  
421 grelelqgvp lsapplpprp dlpprkprna qpkvrllkgn sppaalgpqd papa

(SEQ ID NO:9)

FIG. 5A

1 maaaaaprgw qrgepralsr avkllqrlee qcrdprmvgtg ppslrdllpr taqllgevak  
61 arrearedpe gpggaddfla iylanlevkg rqaellppr gkkdvnqdvf regsrfrrql  
121 aklalifshm haelsalfpa gkycghlyql tkgsahifwr qncgvrcvlp waefqsllca  
181 chpvepgptm qalrstldlt cnghvsvfef dvftrrlfqp wptllrnwql avnhpgymaf  
241 ltydevqtrl qayrdkpgsy ifrpctrlg qwaigyvssd gsilqtipln kp11qvllkg  
301 qkdgiflfpd gkknhdpte lcrvepyqri qvseeqlilly qamnstfqlc kicaerdkdv  
361 riepcghllc scclsawqds dsqtcpcfcrc eikgreavsi cqaqerptev rtaadgsrdn  
421 chqeaeeqkl gpvipsapsl lpedqfpggp qdkgwltlap lalprlrppl plpkmasvlw  
481 evtsrprare eatess (SEQ ID NO:10)

FIG. 5B

1 mgpppgagvs crggcgfsrl lawcfillals pqapgsrgae avwtaylnvs wrvphtgvnr  
61 tvwelseegv ygqdsplepv agvlvppdgp galnacnpht nftvptvwgs tvqvswlali  
121 qrgggctfad kihlayerga sgavifnfpq trnevipmsh pgavdivaim ignlkgtkil  
181 qsiqrgiqvt mvievgkkhg pwvnhysiff vsvsffiita atvgyfifys arrlrnaraq  
241 srkqrqlkad akkaigrlql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh  
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneisnsa ssheednrse  
361 tassgyasvq gtdeppleeh vqstneslql vnheansvav dviphvdnpt feedetpnqe  
421 tavreiks (SEQ ID NO:11)

FIG. 6A

1 mgpppgigvy crggcgaarl lawcfillals phapgsrgae avwtaylnvs wrvphtgvnr  
61 tvwelseegv ygqdsplepv sgvlvppdgp galnacnpht nftvptvwgs tvqvswlali  
121 qrggsctfad nihlaserga sgavifnfpq trnevipmsh pgagdivaim ignlkgtkil  
181 qsiqrgiqvt mvievgkkhg pwvnhysiff vsvsffiita atvgyfifys arrlrnaraq  
241 srkqrqlkad akkaigklql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh  
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneasnta spheedsrse  
361 tassgyasvq gadeppleeh aqsanenlql vnheansvav dvvphvdnpt feedetpdqe  
421 aavreiks (SEQ ID NO:12)

FIG. 6B

5 1 magaaspcan gcgpgapsda evlhlcrsle vgtvmtlfys kksqrperkt fqvkletqrqi  
 61 twsrgadkie gaidireike irpgktsrdf dryqedpafr pdqshcfvil ygmefrlktl  
 121 slqatsedev nmwikgltwl medtlqaptp lqierwlrkq fysvdrnred risakdlknm  
 181 lsqvnryrvpn mrflrerltd leqrsdgity gqfaqlyrsl mysaqktmdl pflakestlra  
 241 gerpelcrvs lpefqqlld yqgelwavdr lqvqefmlsf lrdplreiee pyffldefvt  
 301 flfskensvw nsqldavcpd tmmnplshyw issshntylt gdqfssessl eayarclrmg  
 361 crcieldc wd gpdgmpviyh ghtlttkikf sdvltikeh afvaseypvi lsiedhcsia  
 421 qqrnmaqyfk kvlgdtlltk pveisadglp spnqlkrkil ikhkklaegs ayeevptsmm  
 481 ysendisnsi kngilyledp vnhevyphyf vltsskiyys eetssdqgne deeeepkevss  
 541 stelhsnek w fhgklgagr d grhiaerllt eycietgapd gsflvreset fvgdytlfsw  
 601 rngkvqhcri hsrqdagtpk ffltdnlvfd slydlithyq qvplrcnefe mrlsepvpqt  
 661 naheskewy h asltraqaeh mlmrvprdga flvrkrnepn syaisfraeg kikhcrvqge  
 721 ggtvmlgnse fdsldvlisy yekhpkyrk m klrypineea lekigtaepd ygalyegrnp  
 781 gfyveanpmp tfkcavkalf dykaqredel tfiksaiiqn vekqeggwrr gdyggkkqlw  
 841 fpsnyveemv npvalepere hldensplgd llrgvldvpa cqiairpegk nnrlfvfsis  
 901 masvahwsld vaadsqeelq dwvkkireva qtadarlteg kimerrkkia lelselvvy  
 961 rpvpfdeeki gteracyrdm ssfpetkaek yvnkakgkfk lqynrlqlsr iypkgqrls  
 1021 snydplpmwi cgsqqlvalnf qtpdkpmqmn qalfmtgrhc gyvlqpstmr  
 deafdpfdks  
 1081 slrglepcai sievlgarhl pkngrgivcp fveievagae ydstkqktef  
 vvdnglnpvw  
 1141 pakpfhfgis npefaflrfv vyeedmfdsq nflaqatfpv kglktgyrav  
 plknysedl  
 1201 elasllikid ifpakqengd lsfsgtslr ergsdasgql fhgraregsf  
 esryqqpfed  
 1261 frisquehlad hfdsrerrap rrtrvngdnr 1 (SEQ ID NO:13)

FIG. 7A

1 mefrlktlsl qatsedevnm wikgltwlme dtlqaatplq ierwlrkqfy svdrnredri  
 61 sakdlknmls qvnyrvpnmr flrerltdle qrsgditygq faqlyrslmy saqktmdlpf  
 121 letnalrtge rpehcqvsls efqqlileyq gelwvdrldq vqefmlsflr dplreieepy  
 181 fflldelvtfl fskensvwns qldavcpdtm nnplshywis sshntyltgd qfssesslea  
 241 yarclrmgcr cioldcwgdp dgmpviyghg tlttkikfsd vlhtikehaf vaseypvils  
 301 iedhcsiaqg rnmaghfrkv lgttlltkpv diaadglpsp nqlrrkilik hkklaegsay  
 361 eevptsvmys endisnsikn gilyledpvn hewyphyfvl tsskiyysee tssdqgnede  
 421 eepkeassst elhssekwhf gklgagr dgr hiaerlltey cietgapdgs flvresetfv  
 481 gdytlfswrn gkvqhcrihs rqdagtpkff ltdnlvfdsl ydlithyqqv plrcnefemr  
 541 lsepvpqt na heskewyhas ltraqaehml mrvprdgaf l vrkrnepnsy aisfraegki  
 601 khcrvqgegq tvmlgnsefd slvdlisyye khplyrkml rypineeale kigtaepdyg  
 661 alyegrnpgf yveanpmp tf kcavkalfdy kaqredeltf tksaiiqnve kqdgggwrgd  
 721 yggkkqlwfp snyveeminp avleperehl densplgdll rgvldvpacq iairpegknn  
 781 rlfvfsismp svaqwsldva adsqeelqdw vkkirevaqt adarltegkm merrkkiale  
 841 lselvvyvcrp vpfdeekigt eracyrdmss fpetkaekyv nkakgkfkflq ynrlqlsriy  
 901 pkgqrlsdssn ydplpmwicg sqlvalnfqt pdkpmqmnqa lfmagghcgy vlqpstmrde  
 961 afdpfdkssl rglepcvici evlgarhlpk ngrgivcpfv eievagaeyd stkqktefvv  
 1021 dnglnpvwpa kpfhfgisnp efaflrfvvy eedmfdsqnf laqatfpvk  
 lktgyravpl  
 1081 knnysedlel asllikidif pakengdlsp fsgislrera sdassqlfhv  
 raregsfear  
 1141 yqqpfedfri sqehlhdhfd srerraprtr rvngdnrl (SEQ ID NO:14)

FIG. 7B

```

1 mspflrigls nfdcgscqsc qgeavnpypca vlvkeyvese ngqmyiqkkp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn gkteiwlelk pggrrlmnar
121 yflemsdtkd mnefetegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvchefv
181 wglmkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
241 sptfcehcgt llwglarqgl kcdacgmnhv hrcqtkvanl cgingklmae alamiestqq
301 arclrdteqi fregpveigl pcsiknearp pclptpgkre pggiswespl devdkmchlp
361 epelinkerps lqiklkiedf ilhkmlgkgs fgkvflaefk ktnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdlmyhi qschkfdlsr
481 atfyaaeiil glqflhskgi vyrdlkldni lldkdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvllly emligqspfh qqdeeeelfhs irmdnpyfyr
601 wlekeakdll vklfvrepk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspfd
661 csnfdkefln ekprlsfadr alinsmdqnm frnfsfmnpq merlis (SEQ ID
NO:15)

```

FIG. 8A

```

1 mspflrigls nfdcgscqac qgeavnpypca vlvkeyvese ngqmyiqkkp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn grteiwlelk pggrrlmnar
121 yflemsdtkd mnefenegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvchefv
181 wglmkqgyqc rqcnaaihkk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
241 sptfcehcgt llwglarqgl kcdacgmnhv hrcqtkvanl cgingklmae alamiestqq
301 arslrdsehi fregpveigl pcstknetrp pcvptpgkre pggiswdspl dgsnksagpp
361 epevsrrts lqklkiddf ilhkmlgkgs fgkvflaefk rtnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdlmyhi qschkfdlsr
481 atfyaaevil glqflhskgi vyrdlkldni lldrdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvlvy emligqspfh qqdeeeelfhs irmdnpyfyr
601 wlereakdll vklfvrepk rlgvrgdirq hplfreinwe elerkeidpp frpkvkspyd
661 csnfdkefls ekprlsfadr alinsmdqnm fsnfsfinpg metlics (SEQ ID
NO:16)

```

FIG. 8B



```

1 mmaaeagsee ggpvtagagg ggaaagssay pavcrvkipa alpvaapyp glvetgvagt
61 lgggaalgse flgagsvaga lggagltggg taagvagaaa gvagaavagp sgdmaltklp
121 tsllaetlgp gggfpplppp pylpplgagl gtvdegdsld gpeyeeeva ipltapptnq
181 wyhgkldrti aeerlrqagk sgsyliresd rpgsfvlsf lsqmnvvnhf riiamcgdy
241 iggrrfssls dligyysvhs cllkgeklly pvappepved rrrvrailpy tkvptdeis
301 flkgdmfivh neledgwmwv tnlrtdeggl ivedlveevg reedphegki wfhgkiskqe
361 aynllmtvgg vcsflvrpsd ntpgdyslyf rtneniqrfrk icptpnqfm mggryynsig
421 diidhyrkeq ivegyylkep vpmqdqevl ndtvdgkeiy ntirrktda fyknivkkg
481 llkkgkgkrw knlyfilegs daqliyfese kratkpgkli dlsvcsvyv hdsifgrpnc
541 fqivvqhfse ehyifyfage tpeqaedwmk glqafcnlrk sspgtsnkr rqvsslvli
601 eeahklpvkh ftnpycniyl nsvqvaktha regqnpvwse efvddlpdp inrfeitlsn
661 ktkkskdpdi lfmrcqlsrl qkghatdewf llsshiplkg iepgslrvra rysmekimpe
721 eeysefkelil qkelhvvya lshvcgqdr lllasillrif lhekleslll ctlnreism
781 edeattlfra ttlastlmeq ymkatatqfv hhalkdsilk imeskqscel spsklekned
841 vntnlthlln ilselvekif maseilpntl ryyigclqks vqhkwtntt mrtrvsgfv
901 flrlcpail nprmfniisd spspiaartl ilvaksvqnl anlvefgake pymegvnpfi
961 ksnkhmimf ldelgnvpel pdttehsrtd lsrdaalhe icvahsdelr tlnsergaqg
1021 hvlkklait ellqqkqnqy tkndvr (SEQ ID NO:17)

```

FIG. 9A

```

1 mcgdyiggr rfsslsdlig yyshvscilk gekllypvap pepvedrrrv railpytkvp
61 dtdeisflkg dmfvhnele dgwmwvtnlr tdegglived lveevgreed phekivfhg
121 kiskqaynl lmtvgqvcsf lvrpsdntpg dyslyftrne niqrfrkipt pnnqfmmggr
181 yynsigdiid hyrkegiveg yylkepvpmq dggqvlnDTV dgkeiyntir rktkdafykn
241 ivkgyllkk gkgkrwnly filegsdaql iyfesekrat kpgklidlsv csyvvhdsl
301 fgrpncfqiv vqhfshehyi fyfagetpeq aedwmkgqla fcslrksspg tsnkrlrqvs
361 slvlhieeah klpvkhftnp ycnlylnsvq vaktharegq npvwseefvf ddlpdinrf
421 eitlsnktkk skdpdilmr cqlsrlqkgh atdewfillss hiplkgiepg slrvrarsm
481 ekimpeeys efkelilqke lhvvyalshv cgqdrtilas illkiflhek leslllctln
541 dreismedea ttlftrattla stlmeqymka tatqfvhhal kdsilkimes kqscelspk
601 leknedvntn lahllsilse lvekifmase ilpntlryiy gclqksvqhk wptntnmtrr
661 vsgfvflrl icpailnprm fniisdspsp iaartltlva ksvqnlanlv efgakepyme
721 gvnpfiksnk hrmimfldel gnvpepdt ehsrtdlsrd laalheicva hsdelrtln
781 ergvqghvlk klaitellq qkqnqytkn dir (SEQ ID NO:18)

```

FIG. 9B

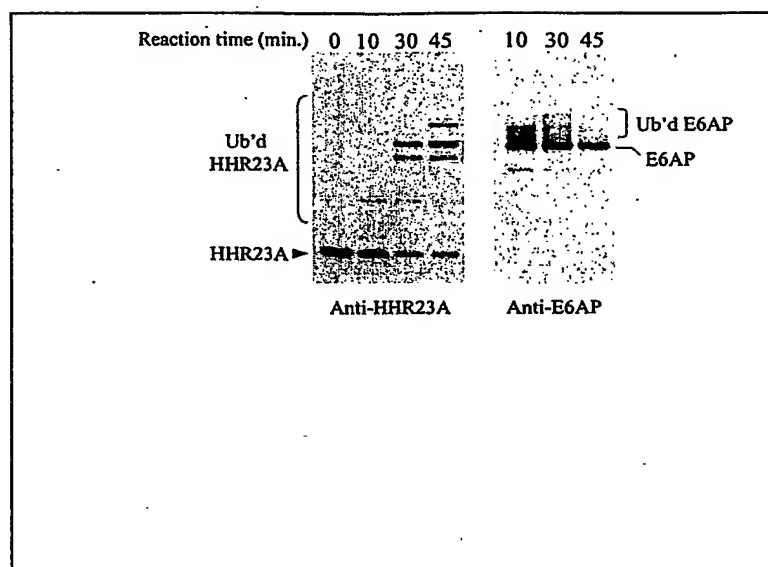


FIG. 10

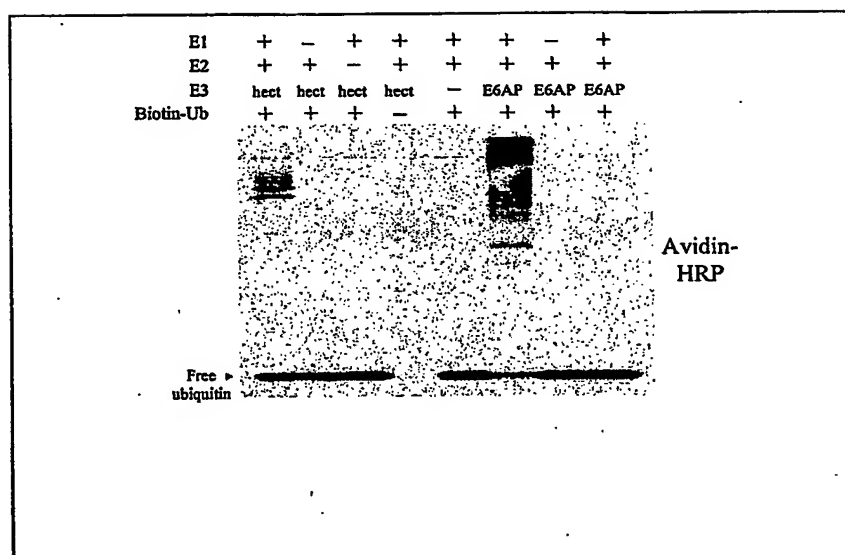


FIG. 11

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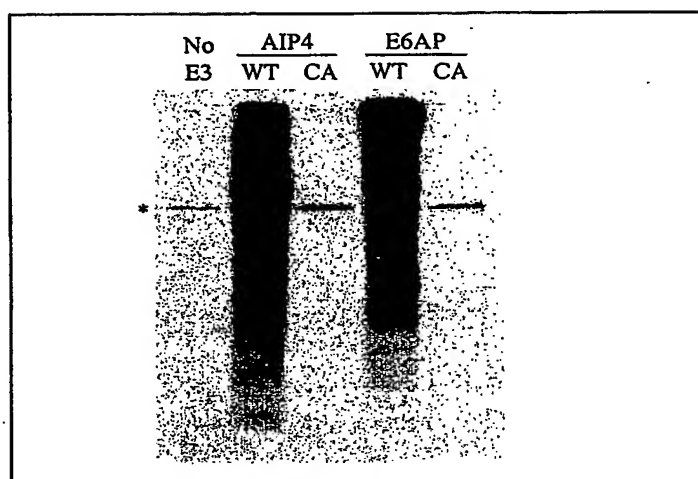


FIG. 12

BEST AVAILABLE COPY

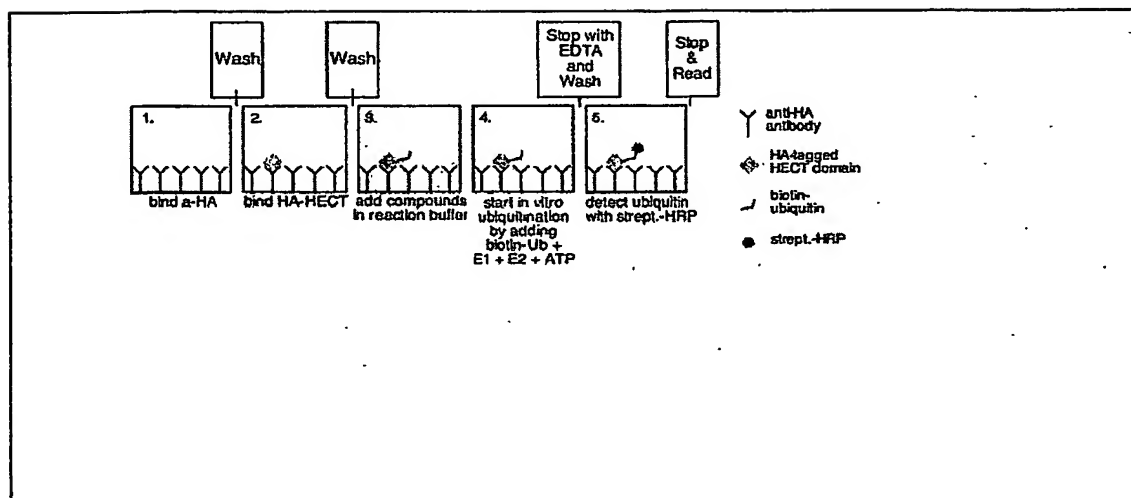


Fig. 13

Fig. 14A

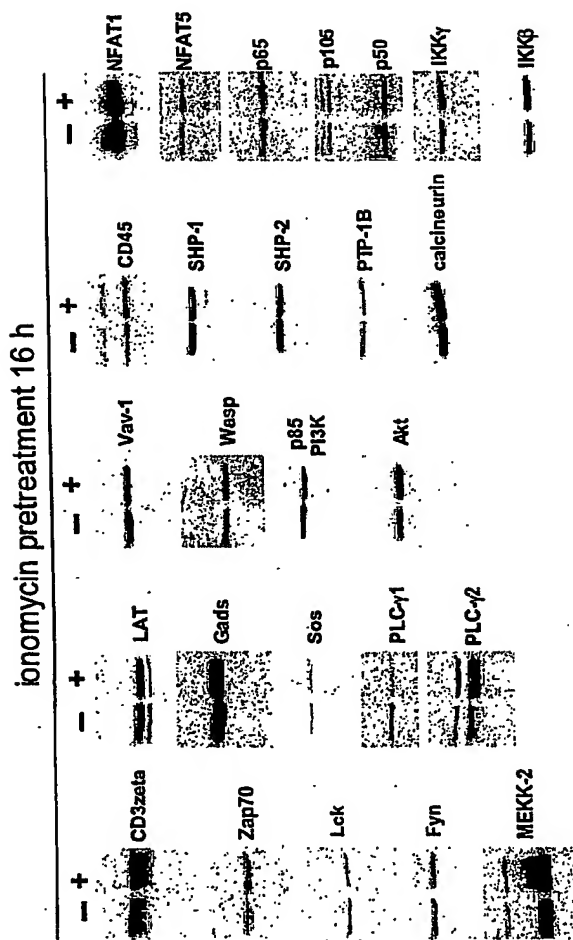


Fig. 15A

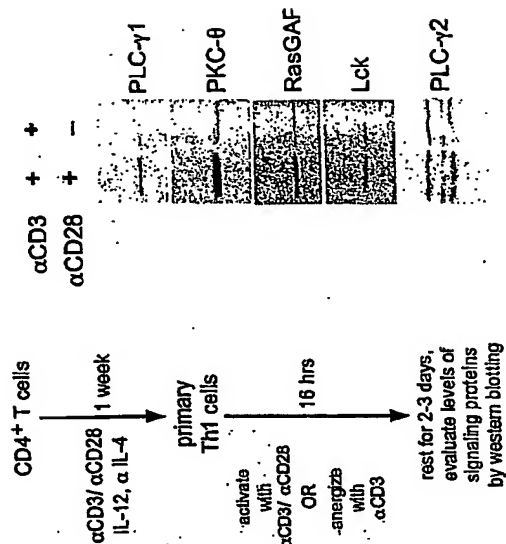


Fig. 14B

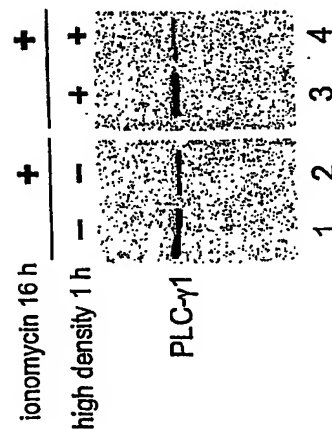


Fig. 14C

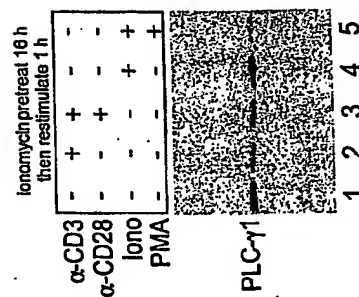


Fig. 14D

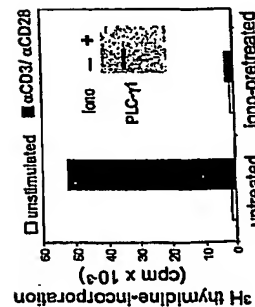
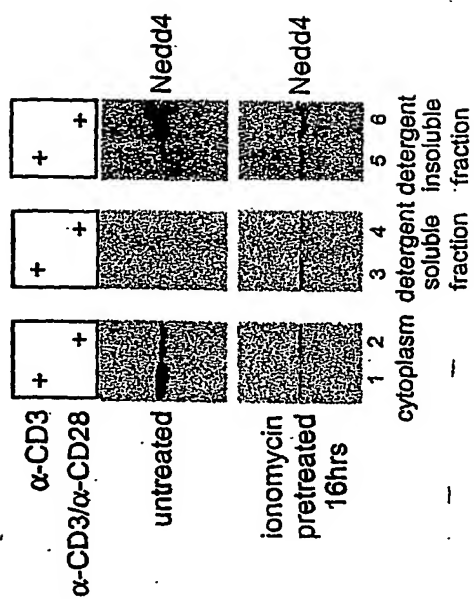


Fig. 15B



BEST AVAILABLE COPY

Fig. 21

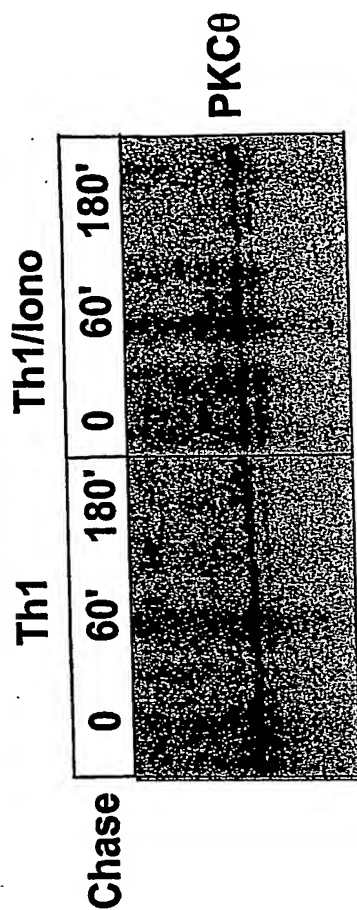


Fig. 14E

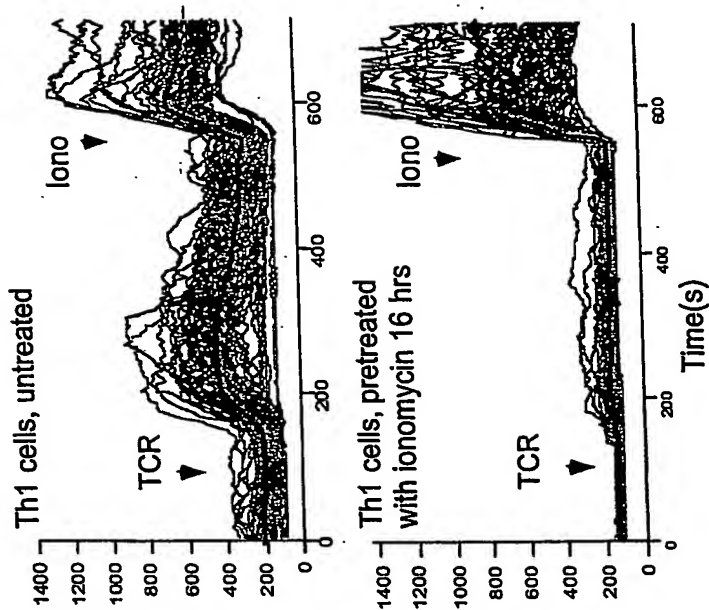


Fig. 16A

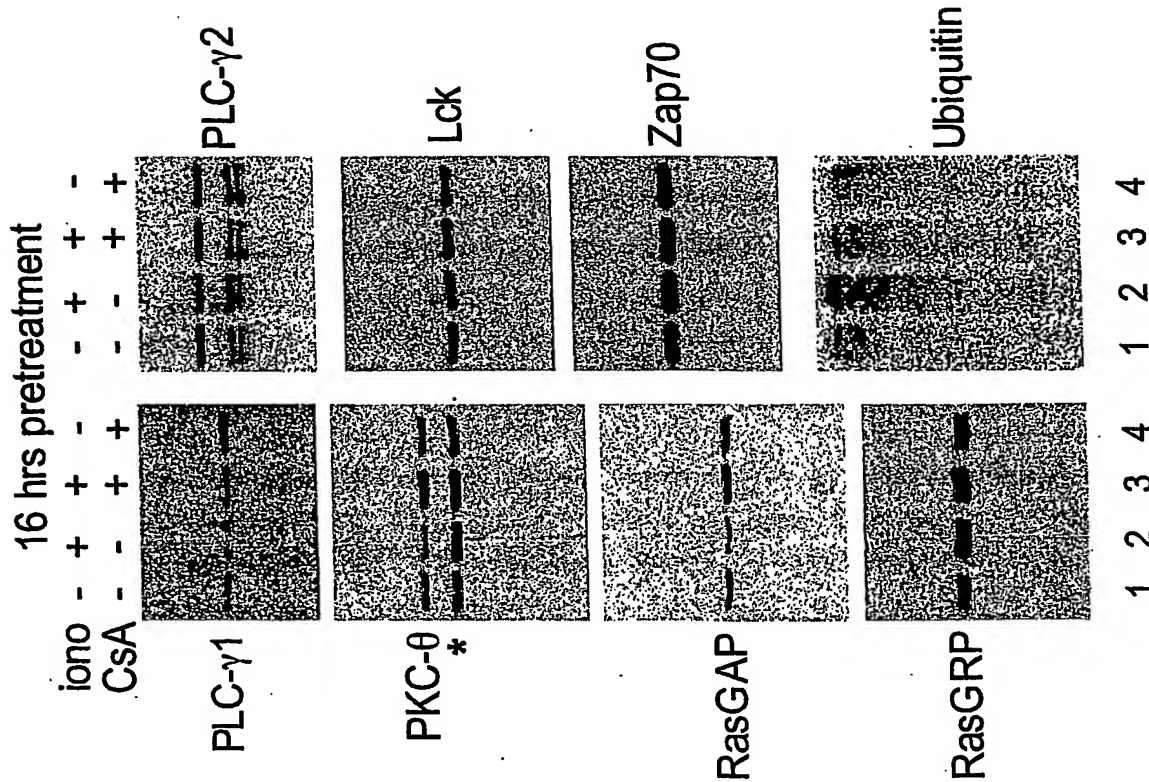




Fig. 16D

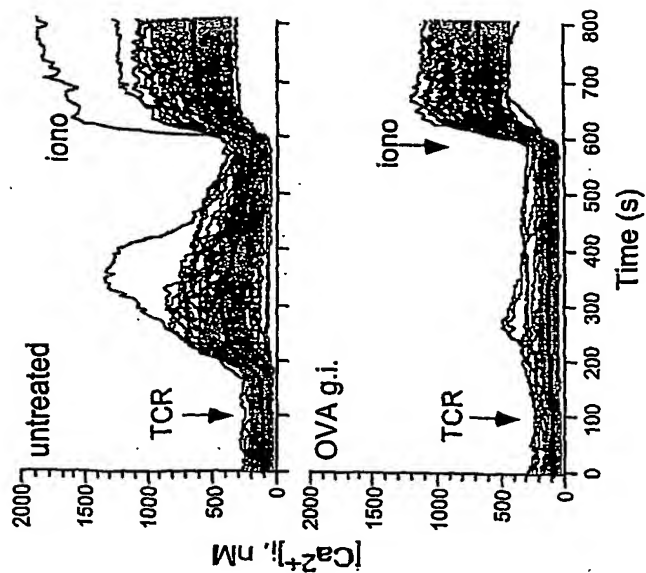


Fig. 16B

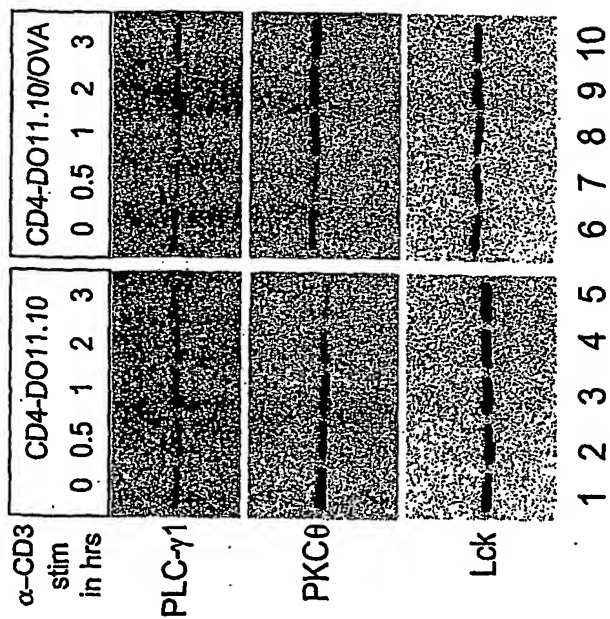
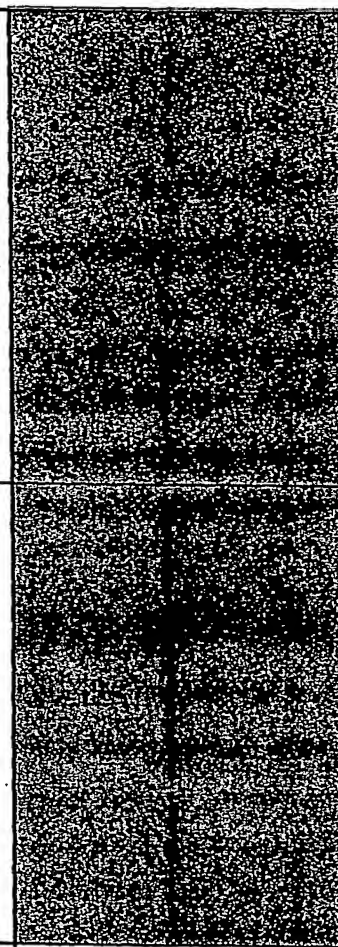


Fig. 16C

DO11.10 DO11.10/OVA

Chase

0 60' 180' 0 60' 180'



PKCθ

Fig. 17A

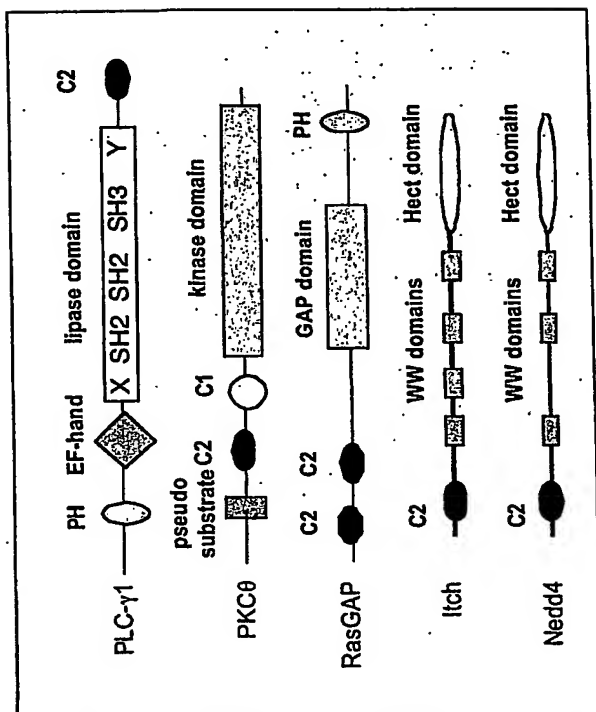


Fig. 15D

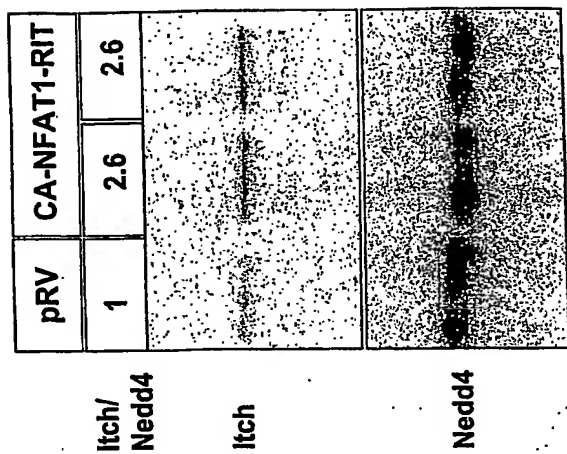


Fig. 15C

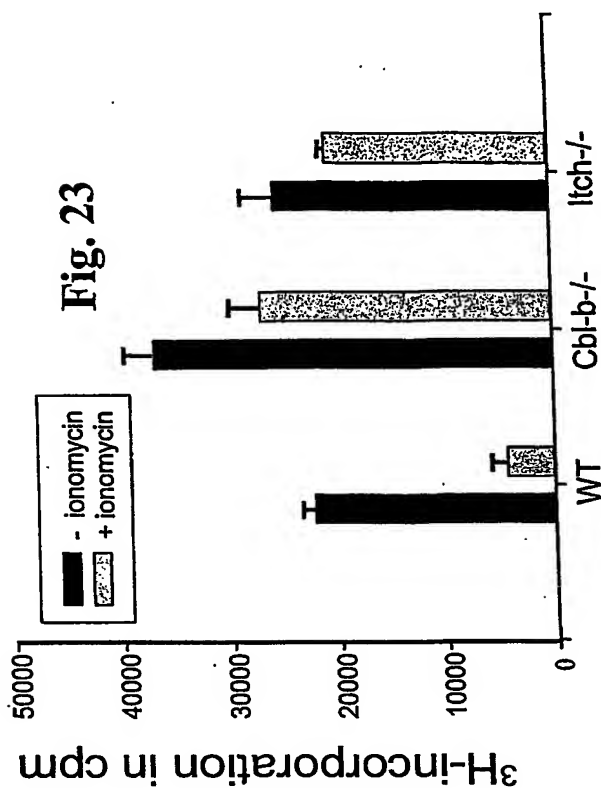
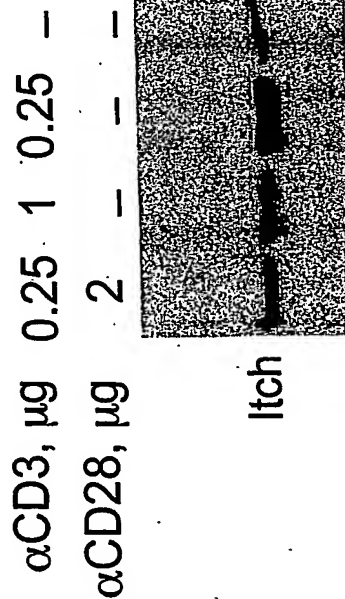


Fig. 17B

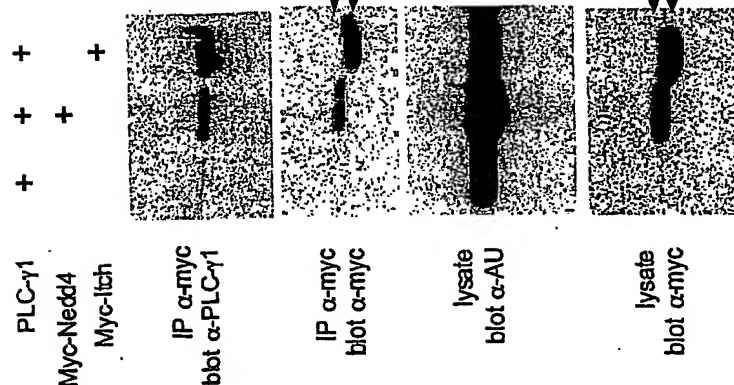


Fig. 17C

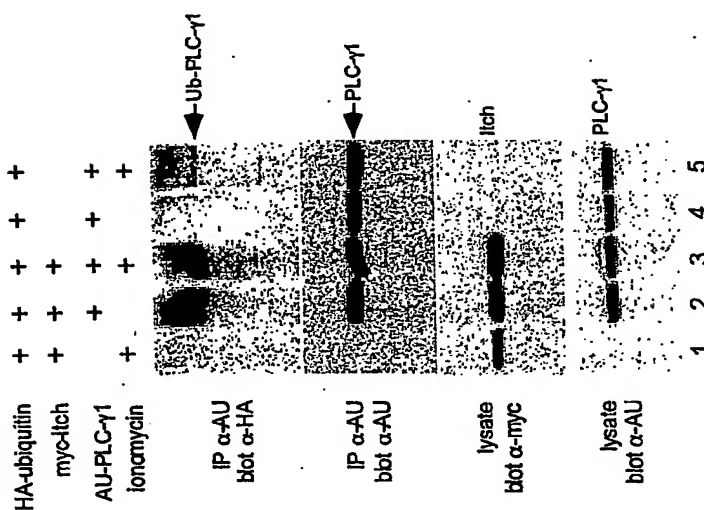


Fig. 17E

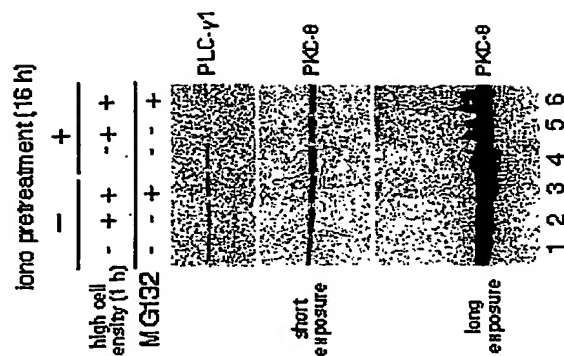


Fig. 17D

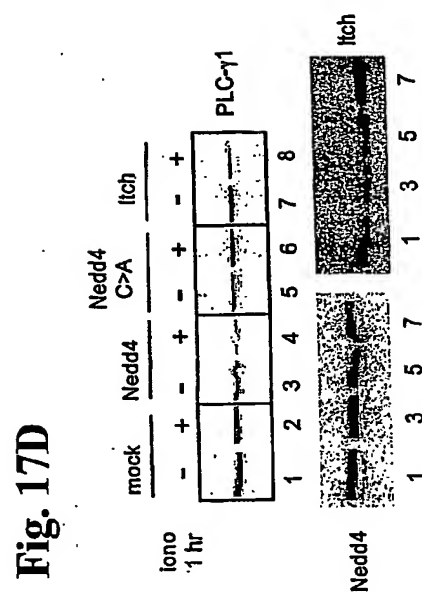
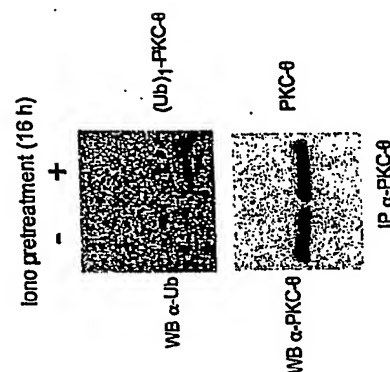
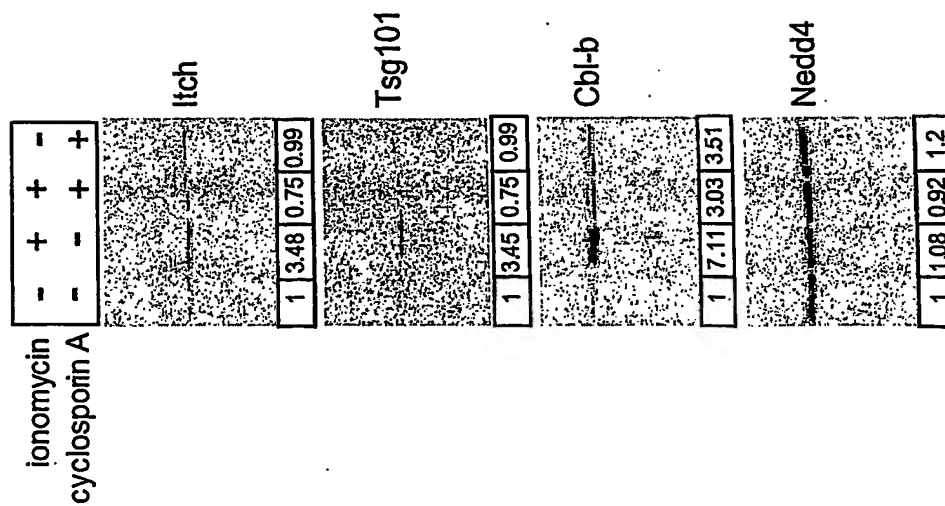


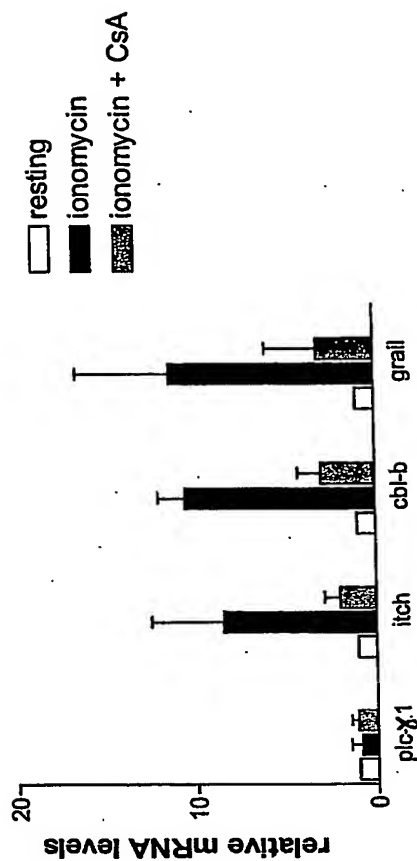
Fig. 17F



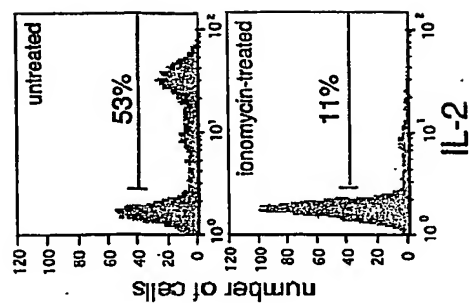
**Fig. 18A**



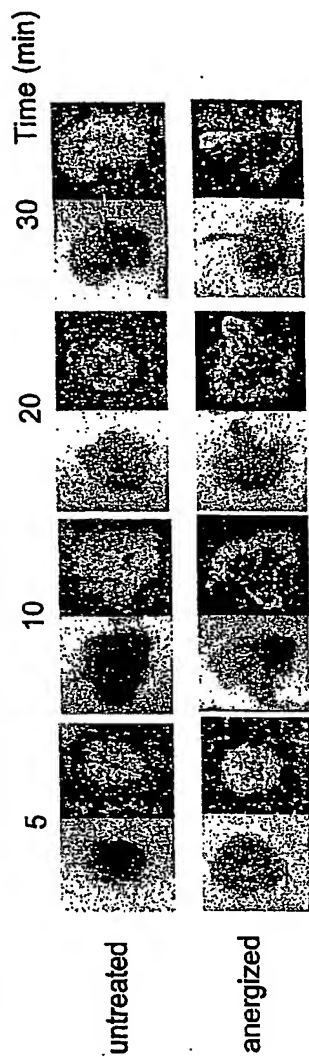
**Fig. 18B**



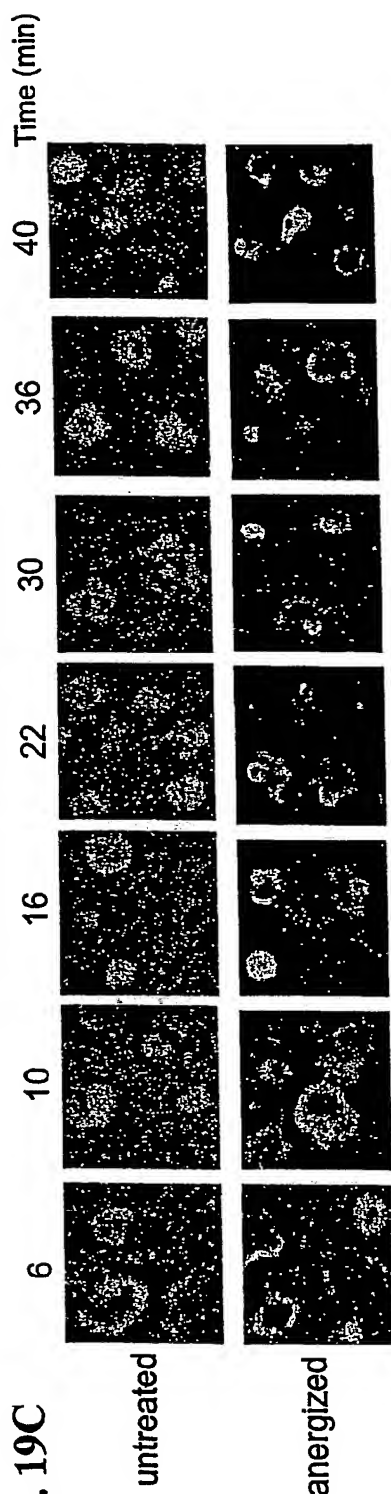
**Fig. 19A**



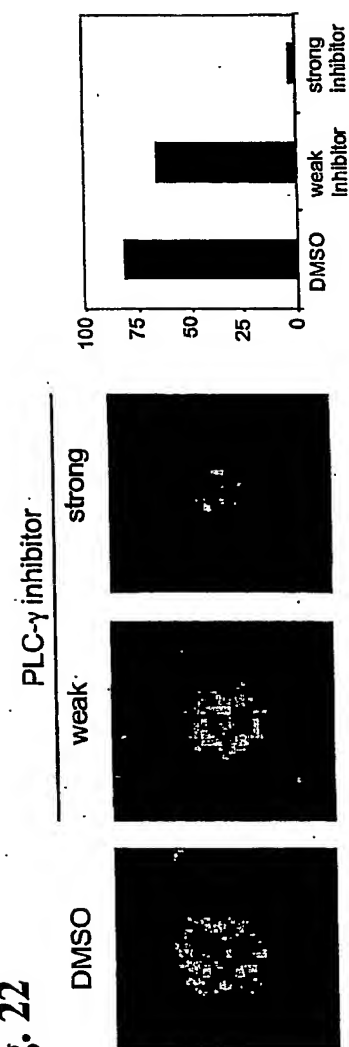
**Fig. 19B**



**Fig. 19C**



**Fig. 22**



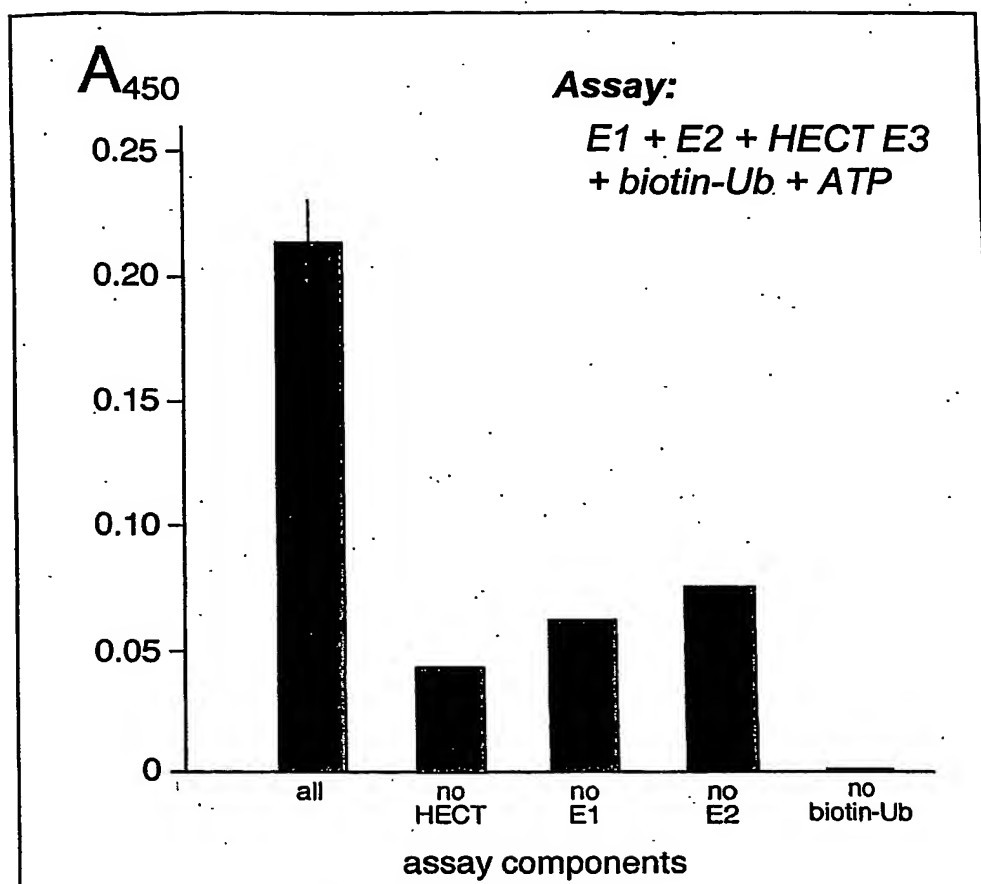
1 mavesesqlkk mvskykyrdl tvretvnvit lykdlkpvl syvfndgssr elmntgtip  
61 vpyrgntyni piclwllldty pynppicfvk ptssmtiktg khvdangkiy lpylhewkhp  
121 qsdllgqliqv mivvfgdepp vfsrpsiasy ppyqatgppn tsympgmpgg ispypsgypp  
181 npsgyppgcpy ppggpypatt ssqypsqqpv ttvgpsrdgt isedtirasl isavsdklrw  
241 rmkeemdraq aelnalkrte edlkkghqkl eemvtrldqe vaevdkniel lkkkdeels  
301 alekmenqse nndideviip taplykqiln lyaeenaied tifylgealr rgvidldvfl  
361 khvrllsrkq qqlralmqka rktagsldly (SEQ ID NO:19)

Fig. 20A

1 mavesesqlkk mmskykyrdl tvrqtvnvia mykdlkpvl syvfndgssr elvnlgtip  
61 vryrgniyni piclwllldty pynppicfvk ptssmtiktg khvdangkiy lpylhdkwkh  
121 rselleliqi mivifgeep vfsrptvsas yppytatgpp ntsympgmpps gisaypsgyp  
181 pnpsgypgcp yppagypat tssqypsqqp vttvgpsrdg tisedtiras lisavsdklr  
241 wrmkeemdga qaelnalkrt eedlkkghqk leemvtrldq evaevdknie llkkkdeels  
301 salekmenqs enndidevii ptaplykqil nlyaeenaie dtifylgeal rrgvidldvf  
361 lkhvrllsrk qqlralmqk arktagsld y (SEQ ID NO:20)

Fig. 20B

Fig. 24



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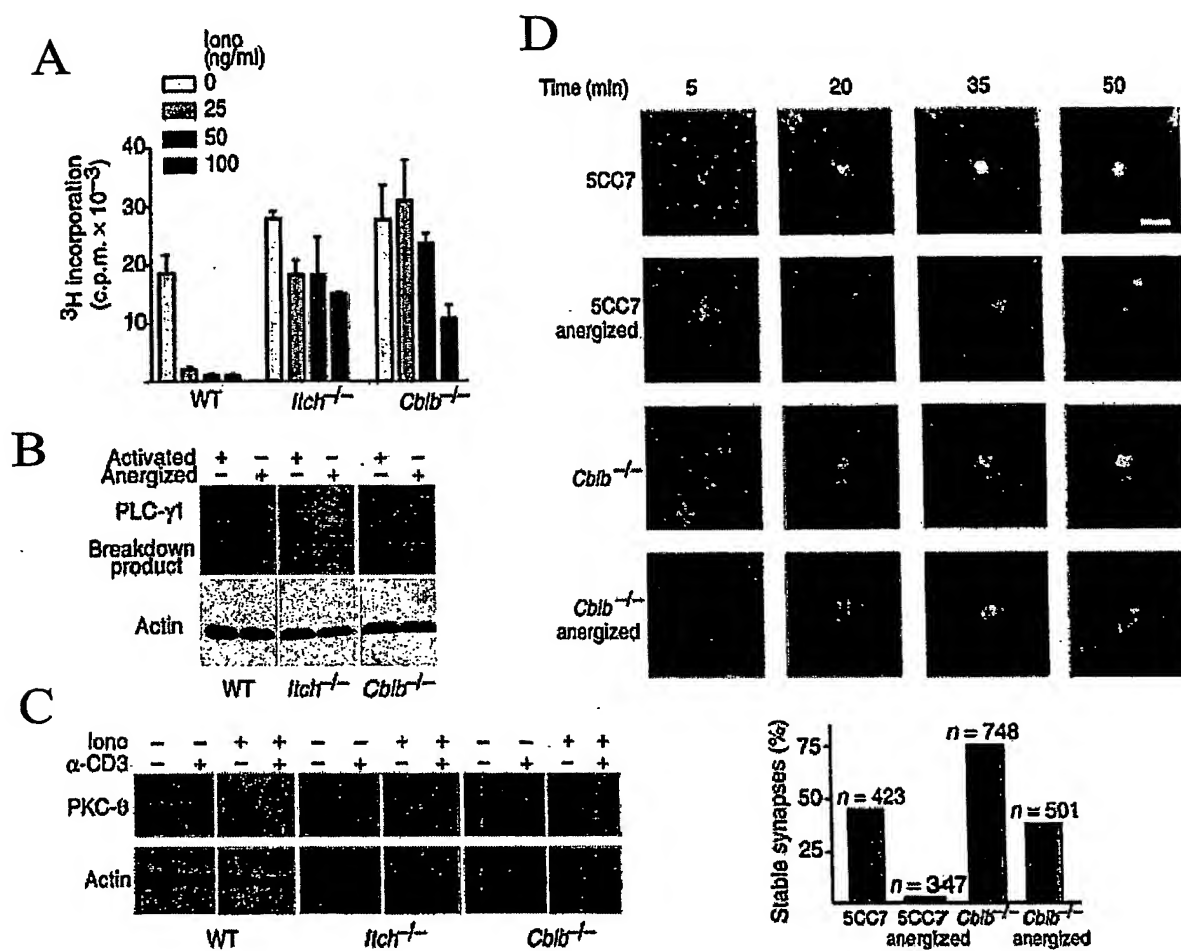


Fig. 25

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